ZHULAEV, R.Z. (QHULAYEV)

"Survey of the Work of the Energetics Institute of the Kazakh SSR on Hydrodynamics," in book Conference on Applications of Gas Dynamics, "TRUD" Series, Publishing Office of the Academy of Science of the Kazakh SSR, Alma-Ata, 1959.

2 Khalatov, K. Zh.

10(2) SOV/1787

Sovetshchaniye po prikladnoy gazovoy dinamike. Alma-Ata, 1956

Trudy (Transactions of the Conference on Applied Gas Dynamics) Alma-Ata, 14-20 October 1956. 535 p. Errata slip inserted. 3,000 copies printed.

Sponsoring Agency: Kazakhskiy gosudarstvennyy universitet imeni S.M. Kirova.

Ed.: V.V. Aleksandriyskiy; Tech. Ed.: Z.P. Borokina; Editorial Board: L.A. Vulis (Resp. Ed.), V.P. Lashkarov, S.P. Leont'yeva, and B.P. Ustimenko.

PURPOSE: This book should be of interest to scientists and engineers working on problems of applied gas dynamics and may be of use to students.

COVERAGE: This book presents reports and brief summaries of the discussions which took place at the Conference on Applied Gas Dynamics in Alma-Ata in October 1956. The conference was subdivided into three areas of applied gas dynamics: jet flows of fluids and gases, the aerodynamics of heating processes, and the discharge of a fluid. The practical value of the transactions of the conference consists in the development of theory, methods of technical calculation and methods for systematic measurement applied to heating furnace, and other industrial processes for which, in most cases, aerodynamic phenomena are decisive factors.

AVAILABLE: Library of Congress

ZHULAYEV, R.Zh.

Hydraulic conditions for lateral diversion of water from mountain rivers. Izv. AN Kazakh. SSR. Ser.energ. no.2:80-91 '62. (MIRA 12:7)

(Rivers)

ZHULAYEV, R. Zh., Doc Tech Sci -- (diss) "Water-enclosing erections with a bottom grill gallery and methods of their hydraulic calculation." Alma-Ata, 1960. 40 pp; with charts; 1 page of graphs; (Ministry of Higher and Specialist Secondary Education RSFSR, Moscow Inst of Water Economy Engineers im V. R. Vil'yams); 200 copies; price not given; list of work of author at end of text (13 entries); (KL, 25-60, 129)

ZHULAYEV, R.Zh.

Transverse circulation in an open waterway brought about by a redistribution of the flow. Izv.AN Kazakh.SSR Ser. energ. no.2:15-29 '60. (MIRA 13:7)
(Hydraulic engineering)

ARYKOVA, Amilya Idrisovna; ZHULAYEV, Rakhmet Zhangazovich; KOLTOCHNIK, N.I., red.; BOROKINA, Z.P., tekhn.red.

[Improved type of water intake with a screened bottom gallery] Uluchshennyi tip vodozabora s donnoi reshetchatoi galereei. Alma-Ata, Izd-vo Akad.nauk Kazakhskoi SSR, 1961. 79 p. (MIRA 14:5)

(Water-supply engineering)

ZHULENEV, I.N., kand.tekhn.nauk; SAMOYLOV, V.I., inzh.

Investigating the properties of molding materials with the help of ultrasonic waves. Lit. prakt. no.7:39-40 Jl '63.

(MIRA 18:8)

ZHIVOTNOVODSTVO : Poultry.

Abs. Jour : ZhBiol., No. 4, 1959, No. 16707

Author : Zhulenko, V. N.
Institut. : Moscow Technological Institute of the Meat and
Title : Raising the Vitality and Production of Hens by Introducing the Therapeutic Serum of the Academician N. G. Belen'kiy (TSB).
Orig Pub. : Tr. Mosk. tekhnol. in-t myasn. i molochn. prom-sti, 1958, vyp. 7, 102-104
Abstract : The experiments were conducted at the Zaoskiy poultry sovkhoz of the Tul'skaya oblast' with 350 hens hatched in the summer of 1955 and with 50 hens hatched in 1954. TSB was given intermuscularly in a 4 ml dose of 7 November and 11 April 1957; 420 hens served as controls. The egg production of the experimental hens increased by up to 14.2 percent. The hatching of chicks averaged 10.8 percent higher. TSB injections are harmless.

Card: 1/1

KORNEYEV, N.Ye., dotsent; ZHULENKO, V.N., dotsent

Ditilin for relaxing the musculature of swine. Veterinariia 39 no.1:62 Ja '62. (MIRA 15:2)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti.

(Ditilin)
(Swine)

GOVOROV, N.P.; SENYUSHKIN, A.F.; ZHULENKO, V.N.

Effect of pharmacologic media on secretory-motor function of the intestines. Fiziol. zh. SSSR 37 no.6:736-738 Nov-Dec 51. (CIML 21:4)

1. Department of Pharmacology, Omsk Veterinary Institute.

ZHULENKO, V.N.

USSR/Medicine -- Physiology FD-2466

Card 1/1 Pub 33-17-24

Author : Govorov, N. P.; Senyushkin, A. F.; Zhulenko, V. N.

Title : On the question of intestinal secretion in dogs

Periodical : Fiziol. zhur. 2, 273-278, Mar-Apr 1955

Abstract : The juice secretion of the isolated intestinal loop of dogs is increased after feeding (250 gm bread and 100-200 gm meat broth). Tables; graphs. Eighteen references, all USSR (8 since 1940).

Institution: Chair of Pharmacology of the Omsk Veterinary Institute

Submitted : October 19, 1953

ZHULENKO, V.N., KORNEYEV, N.E., (Assistant Professors, Moscow Technological Institute of Meat and Milk Industry)

"Ditiline for weakening the musculature in swine."

Veterinariya, Vol 39, no 1, Jan 1962. pp 60

ZHULENKO, V.N.

New method of isolating a segment of the small intestine. Fiziol. Zhur.41 no.4:586-587 Jl-Ag '55. (MLRA 8:10)

1. Kafedra farmakologii zooveterinarnogo instituta, Novocherkassk.
(INTESTINE, SMALL, surgery,
isolation for exper.investigations in animals)

ZHULEV, Geno, inzh.

Tests in determining water consumption of maize after the method of temperature sum. Khidrotekh i melior 8 no.1:9-11 '63.

ZHULEV, Geno, inzh.

A mobile system of irrigation. Khidrotekh i melior 7 no.5:130-132 '62.

ZHULEV, G.

"Construction of Small Dams on Collective Farms", P. 30, (KOOPERATIVNO ZEMEDELIE, Vol. 9, No. 7, 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955, Uncl.

ZHULEV, N., podpolkovnik.

Exercise in the direction of tanks at night. Tankist no.5:11-14 My '58. (MIRA 11:6)
(Tank warfare) (Night fighting (Military science))

ZHULEV, Stoian, Il., inzh.; TOPALOV, Kirll Al., inzh.

Some technical problems in continuous piece dyeing.
Tekstilna prom 14 no.1:40-41 '65.

1. Chief Engineer, "Osmi mart" State Industrial Enterprise, Sofia (for Zhulev). 2. Chief Specialist, Commission for Light Industry, Sofia (for Topalov).

ZHULEV, Stoian, inzh.

The "8 mart" State Industrial Enterprise, Sofia, is growing as a modern cotton-processing mill. Tekstilna prom 13 no. 4:30-32 '64.

1. Chief Engineer, "8 mart" State Industrial Enterprise, Sofia.

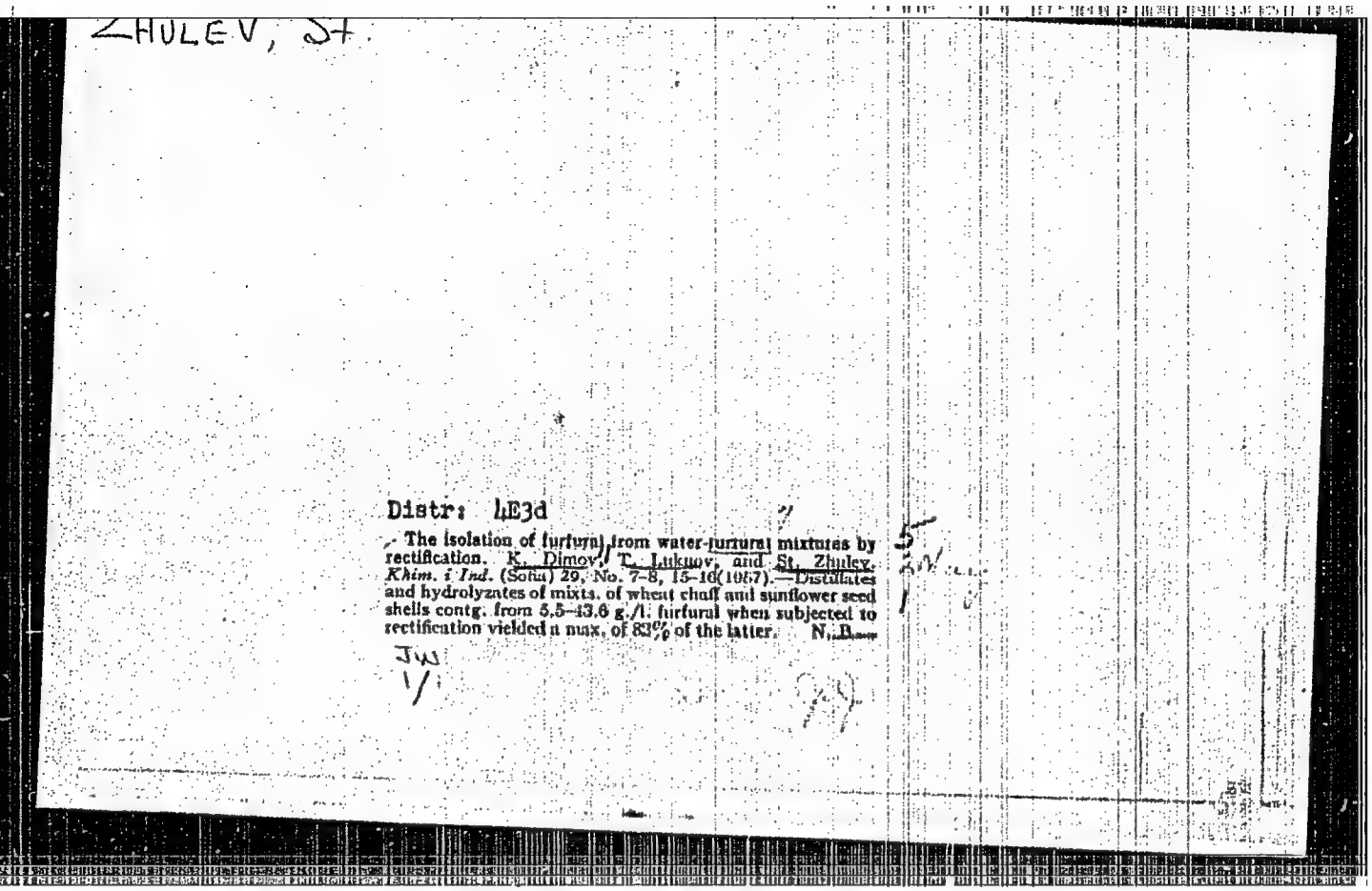
ZHULEV, V.

Frankly.... Znan.-sila 38 no.3:18-21 Mr '63. (MIRA 16:10)

1. Otvetstvennyy redaktor byulletenya "Za bezopasnost' dvizheniya".

OS'MININ, V.; ZHULEV, V.

Organization and safety of traffic. Avt.transp. 41 no.10:41-43 O '63. (MIRA 16:10)



ZHULEV, St.

Distr: 4E3d

The isolation of furfural from water-furfural mixtures by rectification. K. Dimov, T. Lukanov, and St. Zhulev. *Khim. i Ind.* (Sofia) 29, No. 7-8, 15-16(1957).—Distillates and hydrolyzates of mixts. of wheat chaff and sunflower seed shells contg. from 5.5–13.6 g./l. furfural when subjected to rectification yielded a max. of 82% of the latter. N. B.

ZHULEV, V.

Loose housing of cattle in Tuva. Sel'.stroi. 14 no.8:9-10 Ag '59. (MIRA 12:12)

1. Nachal'nik upravleniya kapital'nogo stroitel'stva obsel'khoz-upravleniya Tuvinskoy avtonomnoy oblasti.
(Tuva Autonomous Province--Dairy barns)

ZHULEV, V.

Construction in Tuva. Sel' stroi. 14 no.7:7-8 Jl '59.
(MIRA 12:10)

1. Nachal'nik upravleniya stroitel'stva Tuvinskogo oblastnogo upravleniya sel'skogo khozyaystva.
(Tuva Autonomous Province--Farm buildings)

ZHULEV, V. I.

Konstruktsiya i rabota chastey samoleta. [Construction and working parts of aircraft, by] A. B. Protopopov [i] V. I. Zhulev. Moskva, Voyenizdat, 1958.
307, [2] P. Illus., Diagrs.
Bibliography: P. [309]

PROTOPOPOV, Aleksandr Borisovich,; ZHULEV, Vasiliy Ivanovich,; ZAKHAROV, D.M., inzh.-polkovnik, red.; ANIKINA, N.F., tekhn.red.

[Design and performance of airplane parts] Konstruktsiia i rabota chastei samoleta. Moskva, Voen. izd-vo M-va obor. SSSR, 1958. 307 p. (MIRA 11:12)

(Airplanes--Design and construction)

COUNTRY : BULGARIA
CATEGORY : Chemical Technology. Chemical Product and their Applications. Chemical Wood Products* H
ABS. JOUR. : RZKhim., No. 23 1959, No. 83687

AUTHOR : Dimov, K.; Lukanov, T.; Zhulev, S.
INST. : Khim - technol. Institute
TITLE : Experiments in the Obtainment of Furfural from Sunflower Seed Hulls

ORIG. PUB. : Godishnik Khim.-tekhnol. in-t, 1957(1958), 4 No 1, 43-53
ABSTRACT : Experiments were conducted with the purpose of establishing optimum conditions for the pre--hydrolysis step and subsequent obtainment of the maximum yield of furfural (I) with the condition that the derived cellulose (C) will be suitable for chemical treatment. It was demonstrated that with the increase of hydro--modulus by a factor of 2 (from 3 to 6) the yield of I increases rapidly while the ash and

*Hydrolysis Industry.

CARD: 1/3

JOURNAL :
CATEGORY : H

ABS. JOUR. : RZKhim., No. 23 1959, No. 83687

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : pentozane content in the solid residue decreases respectively by 27 and 75%. This is accompanied by an intensive destruction of C (the degree of polymerization (DP) is 543 at a hydro-modulus of 1 : 3 and 339 at 1 : 6). Greater portion of pentozanes (80.5%) and of ash (45.5%) is being removed at the lowest hydro-modulus. In so doing a substancial destruction of C occurs while the yield of I from pentozanes remains unsatisfactorily low (approx. 3?%). The most suitable hydro-modulus

Con'd

CARD: 2/3

COUNTRY :
CATEGORY : H

ABS. JOUR. : RZKhim., No. 23 1959, No. 83687

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : level is 4.5 - 5.0 at which the yield of I is
Con'd 38.9% and the obtained C is suitable for chemical refining (CR=417). The yield of I increases when I is removed from the reaction mixture at a high rate.

CARD: 3/3

ZHULEV, V.

Drivers compete in driving without accidents. Avt.transp. 40 no.2:45 F '62. (MIRA 15:2)

1. Otvetstvennyy redaktor byulletenya "Za bezopasnost' dvizheniya" Otdela regulirovaniya ulichnogo dvizheniya i Gosudarstvennoy avtomobil'noy inspektsii Upravleniya vnutrennikh del Moskvy. (Moscow--Traffic safety)

ZHULEV, V.

New criminal code of the U.S.S.R.; criminal liability of drivers. Za bezop.dvizh. 3 no.12:6-7 D '60. (MIRA 14:1)
(Automobiles—Laws and regulations)

ZHULEV, V.

Re-equipping poultry houses in Tuva. Sel'.stroi. 14 no.12: 5-6 D '59. (MIRA 13:4)

1. Nachal'nik upravleniya kapital'nogo stroitel'stva Tuvinskogo oblastnogo upravleniya sel'skogo khozyaystva.
(Tuva--Poultry houses and equipment)

ZHULEV, V. I.

Konstruktsiya i Rabota Chastey Samoleta. [Construction and Working Parts of Aircraft] by A. B. Protopopov i V. I. Zhulev. Moskva, Voyenizdat, 1958.

307, (2) p. Illus, diagrs. Bibliography: p. 307

PHASE I BOOK EXPLOITATION 952

Protopopov, Aleksandr Borisovich and Zhulev, Vasiliy Ivanovich

Konstruktsiya i rabota chastey samoleta (Design and Loading of Airplane Components) Moscow, Voyen. izd-vo M-va obor, SSSR, 1958. 307 p. No. of copies printed not given.

Ed.: Zakharov, D.M., Engineer Lieutenant Colonel; Tech. Ed.: Anikina, R.F.

PURPOSE: This book is intended for the engineering and technical personnel of the Air Forces. It may also be useful to students of aeronautical engineering schools and to flying personnel of the Soviet Air Forces, and also to flying and technical personnel of DOSAAF and the Civil Air Fleet, to workers in the aeronautical industry and to others interested in aeronautical engineering.

Card 1/4

Design and Loading (Cont.) 952

COVERAGE: The authors discuss in popular form the loads acting on an airplane in flight and the performance of its basic structural components, such as the wing, fuselage, empennage and landing gear. To make the contents of the book understandable to the largest possible number of readers, the basic concepts of structural mechanics are also briefly presented. The book is illustrated by a large number of figures which help the reader to achieve a better understanding of complex problems relating to loads on the airplane components and to performance under load. In addition, the illustrations enable the authors to describe the physical nature of the phenomena discussed without resorting to complicated mathematics. The authors state that the book also attempts to present the principles on which the design of the separate airplane components is based, and to give a qualitative picture of the performance of those components under load. The authors state further that, in order to avoid cluttering up the book with formulas and computations, the calculation of the airplane for strength has not been considered. There are 201 figures, including sketches of the structure of components of the MIG-17. No personalities are mentioned. There are 10 Soviet references.

Card 2/4

. Design and Loading (Cont.) 952

TABLE OF CONTENTS:

Card 3/4

Design and Loading (Cont.) 952

AVAILABLE: Library of Congress

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IS/nah
12-22-58

ZHULEV, V. I.

"Self-Excited Vibrations of Oriented Wheels." Sub 31 Oct 51, Military Aeronautical Engineering Academy imeni Prof N. Ye. Zhukovskiy

Dissertations presented for science and engineering degrees in Moscow during 1951.

SOL Sum. No. 480, 9 May 55

SOV/19-58-6-680/685

AUTHORS: Kuznetsov, L.V., Zhulev, V.N., Burshteyn, D.Ye., and Chelishchev, B.A.

TITLE: A Device for Assembling Wheels, for Instance Bicycle Wheels (Ustroystvo dlya sborki koles, naprimer, velosipednykh)

PERIODICAL: Byulleten' izobreteniy, 1958, Nr 6, p 151 (USSR)

ABSTRACT: Class 87a, 13. Nr 113321 (587536 of 10 Dec 1957). Submitted to the Committee for Inventions and Discoveries at the Ministers Council of USSR. A device with mechanisms for screwing in nipples and fixing the rim and the hub, eliminating deformation of the wheel during assembly; consisting of a mandrel for the hub mounted concentrically with a multi-cam chuck for fixing the rim, and mechanisms for simultaneous screwing in all the nipples.

Card 1/1

ZHULEV, V.

Worn tires caused an accident. Avt.transp. 38 no.7:43 Jl '60. (MIRA 13:7)
(Moscow Province--Traffic accidents)

ZHULEV, V.

Results of faulty brakes. Avt. transp. 37 no.2:44-45 F '59.
(MIRA 13:1)
(Automobiles--Brakes)

VASANOV, Y. A.; ZHULEV, YU. G.

"Optimum contour heat rejection triangular fins with mutual irradiation between fin and cooled base surfaces."

report submitted for 15th Intl Astronautical Cong, Warsaw, 7-12 Sep 64.

ACCESSION NR: AP4041643 S/0281/64/000/003/0391/0400

AUTHOR: Vasanov, Yu. A. (Moscow); Zhulev, Yu. G. (Moscow)

TITLE: Optimal form of triangular radiating fins taking into account the mutual irradiation of the fins and the cooled surface

SOURCE: AN SSSR. Izvestiya. Energetika i transport, no. 3, 1964, 391-400

TOPIC TAGS: heat conduction, thermal radiation, radiating fin, triangular radiating fin, fin shape, cooling fin

ABSTRACT: The authors consider a plane problem involving the determination of the optimal dimensions and number of radiating triangular fins, arranged in star-shaped fashion at the apices of a multilateral prism, taking into account the mutual irradiation of these ribs and the faces of the cooled prism (see Figure 1 of the Enclosure). Thin fins are considered, for which the law of heat radiation and the heat conductivity equation along the fin are valid in the following form:

$$\frac{1}{2} Q(x) = -\lambda (L - x) \frac{\alpha}{2} \frac{dT}{dx}, \quad (1)$$

$$\frac{1}{2} dQ(x) = -q(x)\, dx, \quad (2)$$

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Card

ACCESSION NR: AP4041643

where Q(x) is the heat flow through the fin section with coordinate x; λ is the thermal conductivity of the fin material; α is the angle between the lateral surfaces of the fin; and q(x) dx is the resultant radiation of the fin surface element with allowance made for the mutual irradiation of the fins and the prism faces. Pertinent equations are obtained and the numerical results of computations based on these formulas are presented in the form of graphs. Orig. art. has: 16 figures and 25 formulas.

ASSOCIATION: None

SUBMITTED: 09Oct63 ENCL: 01

SUB CODE: TD NO REF SOV: 002 OTHER: 003

2/3

Card

ZHULEV, Yu.G. (Moskva)

Radiating power of a tooth-shaped surface. Teplofiz. vys. temp. 3 no.2:321-323 Mr-Ap '65. (MIRA 18:7)

ZHULEV, Yu.K., inzh.; [redacted], Yu.K., inzh., red.

[Instruction for the certification of experimental hydraulic lifting jacks] Instruktsiia po attestatsii ispytatel'nykh gruzovykh gidravlicheskikh domkratov. Moskva, Stroiizdat, 1964. 56 p. (MIRA 17:12)

1. Moscow. TSentral'nyy nauchno-issledovatel'skiy institut stroitel'nykh konstruktsii. 2. TSentral'nyy nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy, Moskva (for Zhulev).

ACC NR: AP6036883 (A) SOURCE CODE: UR/0122/66/000/011/0015/0016

AUTHOR: Zhulev, Yu. K. (Engineer); Tyablikov, Yu. Ye. (Candidate of technical sciences)

ORG: none

TITLE: Service life of packings in hydraulic cylinders

SOURCE: Vestnik mashinostroyeniya, no. 11, 1966, 15-16

TOPIC TAGS: packing material, hydraulic equipment, rubber, polymer

ABSTRACT: One of the most important elements which determines the reliability and service life of hydraulic machines is the packing of the hydraulic cylinder, whose construction and material depend on the purpose of the machine, the speed of the movement, the load, and the pressure. The article reports the results of an investigation of the friction loss, the sealing capacity, and the service life of leather, rubber and polymer packings, and of split cast iron rings, in hydraulic cylinders with a diameter from 82 to 207 mm at pressures up to 400 kg/cm^2 and velocities up to 15 meters/min. The friction loss was calculated by the formula:

$$f_n = \frac{P_o - P_n}{P_o + P_n} \cdot 100\%,$$

where P_n and P_o are the true values of the load on the piston, determined by a

Card 1/2 UDC: 62-762.63:620.162.4

ACC NR: AP6036883

dynameter, at a given pressure, for the forward stroke and the backward stroke. The service life of the packings was determined in cyclical tests of the cylinders under pressure in hydropulse equipment. The basic criterion of the service life of a packing was the amount of wear at which the leakage attained 2 liters/sec. The results show that the friction losses in cylindrical couples with packing consisting of split cast iron rings are of the same order of magnitude as the losses using rubber packing; at p = 200 kg/cm^2, they amount to 2%. Cylindrical couples with a working surface up to 125 cm^2, packed with split cast iron rings, can be used under a cyclic pressure of 150 kg/cm^2, at forward velocities up to 15 meters/min, while rubber packings can be used at the same pressure and at velocities up to 10 meters/min. However, it was found that the service life of the cast iron rings is five or six times greater than that of the rubber packings. Orig. art. has: 5 figures.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 003

Card 2/2

KAZAKOV, Igor' Yefimovich; DOSTUPOV, Boris Grigor'yevich; ZHULEVA, L.D., red.; KRYUCHKOVA, V.N., tekhn. red.

[Statistical dynamics of nonlinear automatic systems]Statisticheskaia dinamika nelineinykh avtomaticheskikh sistem. Moskva, Fizmatgiz, 1962. 332 p. (MIRA 16:4)
(Automation)

KAZAKOV, Igor' Yefimovich; DOSTUPOV, Boris Grigor'yevich; ZHULEVA, L.D., red.; KRYUCHKOVA, V.N., tekhn. red.

[Statistical dynamics of nonlinear automatic control systems] Statisticheskaia dinamika nelineinykh avtomaticheskikh sistem. Moskva, Fizmatgiz, 1962. 332 p. (MIRA 16:6)
(Automatic control) (Electronic computers)

KRASOVSKIY, Aleksandr Arkad'yevich; ZHULEVA, L.D., red.; SHKLYAR, S.Ya., tekhn. red.

[Dynamics of continuous self-adoptive control systems] Dinamika nepreryvnykh samonastraivaiushchikhsia sistem. Moskva, Fizmatgiz, 1963. 468 p. (MIRA 17:1)

SOV/118-59-3-7/22

28(1),32(3)

AUTHOR: Zhul'govskiy, V.P., Engineer

TITLE: Automation, Telemechanics and Communications in Railroad Transportation (Avtomatika, telemekhanika i svyaz' na zheleznodorozhnom transporte)

PERIODICAL: Mekhanizatsiya i avtomatizatsiya proizvodstva, 1959, Nr 3, pp 22-24 (USSR)

ABSTRACT: The author describes a number of new plants, which improve the railroad transportation, and its security, diminish labor requirements and enable better working conditions. In 1933 automatic blocking was installed and used on the principal lines. The railroad network of the USSR possesses various systems of automatic blocking, the code system of which, being the most progressive, is to be preferred. Electric centralization of points and signals has a vast application. This system enables a railroad station possessing 60 switches to economize about 350,000 rubles per annum, and to release 25-30 switchmen for other duties. Further deve-

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lopment of electrical concentration will lead to economy of cables, and consequently will save copper. A special place in telemechanic equipment is occupied by dispatch centralization, which includes automatic blocking in the railroad sections, and electric centralization in the stations. The train dispatcher directs the train from the operating desk on a railroad section of up to 160 km. The automatic signals and blockings transmit the signal directly to the cabin of the engine driver, and thereby enable him to drive the train with greater security and higher speed even under unfavorable conditions. An important part in the work of stations, where the sorting of trains is carried out, is played by the centralized operating of switches, signals and brakes. A radio communication between the engine driver, the dispatcher and the railroad official on duty has been installed. There is 1 photograph.

NEGOVELOV, S.F.; ZHULID, L.P.

Determining the soil moisture available to plants under field conditions (methods and apparatus). Pochvovedenie no.9:81-86 S '65. (MIRA 18:10)

1. Severo-Kavkazskiy zonal'nyy nauchno-issledovatel'skiy institut sadovodstva i vinogradarstva.

ZHULIDOV, N.A., inzh.; GERVAYED, N.I., inzh.

The "Ukraina" head lighting. Bezop.truda v prom. 4 no.2: 24-25 F '60. (MIRA 13:5)
(Mine lighting)

45324
S/110/63/000/002/002/002
A055/A126

AUTHORS: Zhulidov, N.A., Yefremov, F.I., - Engineers

TITLE: A new nickel-zinc battery

PERIODICAL: Vestnik elektropromyshlennosti, no. 2, 1963, 74 - 75

TEXT: This is a detailed description of the new nickel-zinc battery, whose design is based on the property of zinc to enter into reaction with certain hydroxides with which it forms practically insoluble (trudnorastvorimyye) compounds. The negative electrode is made of a mixture of zinc and hydroxide components. Thanks to a considerable reduction of the solubility of zinc and to a continuous extraction of zinc ions from the electrolyte by the hydroxide contained in the negative electrode, the new battery presents a greater reliability in operation; it resists overcharges and short-circuits. The new battery uses pressed electrodes without lamellas. It operates normally in half-dry condition. The charging can be effected at a current density of from 0.5 to 1.5 a/dm^2 (positive electrode). At the end of the charging, the current drops to 1/20 of its initial value, and the battery can remain in this condition for ten days. The dis-

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charging can be effected at a current density of up to 10 a/dm^2 (positive electrode). The operating voltage is about 40% higher than that of nickel-iron and nickel-cadmium batteries. The new batteries can work at very low temperatures. Their cost (in series production) must be about 2 - 3 times lower than that of nickel-cadmium batteries. Their service life is longer than that of nickel-cadmium batteries of analogous construction. A table shows some comparative characteristics of nickel-zinc, nickel-iron, nickel-cadmium and silver-zinc batteries. The charging and discharging characteristics of the nickel-zinc battery at various current values are also reproduced. Practical experience (in the Donbass coal-pits) proved the expediency of using the new battery for coal-pit lamps. There are 2 figures and 1 table.

GERVAYED, N.I.; ZHULIDOV, N.A.

New portable lamps in mines of the Stalino Economic Region.
Adm.-byt. komb. ugol'. shakht. no.4:57-59 '61. (MIRA 15:8)

1. Dongiprouglemash.
(Donetsk Province—Electric lamps, Portable)

ZHULIDOV, V.

Supply collective and state farms with high-quality certified seeds.
Muk-elev.prom. 25 no.1:5-7 Ja '59. (MIRA 12:3)

1. Upravleniye po sotovym semenam zernovykh i maslichnykh kul'tur gibridnykh semyan kukuruzy i semyan trav Goskomiteta Soveta Ministrov SSSR po khleboproduktam.
(Grain) (Corn (Maize)) (Oilseeds)

ZHULIDOV, Veniamin Alekseyevich; DENISENKOVA, L.M., red.; GOLUBKOVA, L.A., tekhn. red.

[Conditions and procedure governing payments for the delivery of oil seeds] Usloviia i poriadok raschetov so sdatchikami maslichnykh semian. Moskva, Izd-vo tekhn. i ekon. lit-ry po voprosam mukomol'noi krupianoi i kombikormovoi promyshl. i elevatorno-skladskogo khoz., 1957. 49 p. (MIRA 11:7)

(Oilseed plants)

ZHULIN, A.

Activities of the Section of the Leather and Tanning Extract Industry of the Technical Council. Leg.prom. 14 no.6:54 Je '54.
(Leather industry) (MIRA 7:8)

ZHULIDOV,V.

Ensure uninterrupted receiving and unimpaired keeping quality of this year's crop of oilseeds. Muk.-elev.prom.21 no.8:6-7 Jl [Ag] '55. (MLRA 8:12)

1. Ministerstvo zagotovok

(Oilseeds--Storage)

30891. ZHULIDOV, V.

Vypolnit' plan zagotovok maslichnykh kul'tur. Zagotovki s.-kh. produktov, 1949, No. 1, s. 19-22.

ZHULIDOV, V. A.

(State purchases of oil seeds) 2. perer. izd. Moskva, Zagotizdat, 1947.
107 p.

ZHULIDOVA, N.A.

Study of practical skills acquired through school work.
Vop. psikhol. 5 no.3:107-116 My-Je '59. (MIRA 12:9)

1.Leningradskiy institut pedagogiki Akademii pedagogicheskikh nauk RSFSR.
(Education, Secondary) (Science--Study and teaching)

ZHULIN, A.

All-Union seminar for specialists of the leather dressing industry.
Leg. prom. 18 no.5 p13 My '58. (MIRA 11:6)
(Tanning)

ZHULIN, A.

"Mechanization and organization of conveying in the leather industry" by B.L. Mamatkin. Reviewed by A. Zhulin. Leg.prom. 18 no.7:54 Jl '58. (MIRA 11:9)

(Leather industry--Equipment and supplies)

ZHULIN, A.; TIMOKHIN, N.

In the Technical Council. Leg.prom. 15[i.e. 16] no.6:3 of cover Je '56. (MLRA 9:8)

(Leather industry)

Zhulin, A.P.

ZHULIN, A.P., inzhener.

We shall improve the quality of chrome-tanned pigskins. Leg.prom. 17 no.7:10-12 Jl '57. (MLRA 10:9)
(Hides and skins)

ZHULIN, A.P.

In the Technical Council of the Ministry of Consumer Goods of the U.S.S.R. Leg.prom. 15 no.5:50 My '55. (MLRA 8:7)
(Leather industry)

ZHULIN, A.P.

In the Technical Council. Leg.prom. 17 no.4:56 Ap '57. (MLRA 10:4)
(Leather industry)

ZHULIN, A.P., inzhener.

Better utilization of industrial potentialities. Leg.prom. 16 no.4:13-14 My '56. (MLRA 9:8)

(Leather industry)

LEONT'YEV, I.I.; ALEKSEYEV, N.F., retsenzent; ZHULIN, A.P., inzhener, redaktor; SEMENOVA, N.L., redaktor; KISINA, Ye.I., tekhnicheskiy redaktor.

[Guide to the processing of hides] Rukovodstvo po obrabotke koshevennogo syr'ia. Pereizdanie. Moskva, Pishchepromizdat, 1955. 188 p. (Hides and skins) (MLRA 9:5)

ZHULIN, A.F.

Sheep skins are a valuable raw material for leather manufacture. Kozh. obuv. prom. 5 no.7:6-9 Jl '63. (MIRA 16:8)

(Leather)

ZHULIN, A.P.; LEVENKO, P.I., LEV, M.V.; ZLATKIN, M.V.; ABRAMYAN, L.G.; AVKSENT'YEV, I.M.

Reviews and bibliography. Kozh.-obuv. prom. 7 no.8:30-36 Ag '65. (MIRA 18:9)

6942h

S/141/60/003/01/018/020
E192/E582

3.1210

AUTHOR: Zhulin, I. A.

TITLE: Electro-Optical Light Modulators of the Solar Magnetograph of the IZMIRAN (Institute of Earth Magnetism, Ionosphere and Radio Wave Propagation of the Academy of Sciences USSR)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiofizika, 1960, Vol 3, Nr 1, pp 151-152 (USSR)

ABSTRACT: The measurements of weak magnetic fields in the sun is effected by employing a photo-electric modulation method (Refs 1,2,3) in which the elliptically polarized spectral line is amplitude-modulated. Originally a mechanical modulator was employed for the purpose (Ref 1). However, the device was unsatisfactory in that its sensitivity was insufficient. Subsequently a Kerr cell was employed as the modulator (Ref 4). This was disadvantageous in that it was necessary to use chemically pure nitrobenzol. Consequently an electro-modulator based on a crystal of ammonium phosphate was developed (Ref 5). The crystals

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Electro-Optical Light Modulators of the Solar Magnetograph of the IZMIRAN

of this substance can be grown artificially to almost any required size and have excellent transmission characteristics in the visible region and possess comparatively high electro-optical constants. It was found that the z-cut of the crystal is the most convenient as the light-modulator provided the electrical field is applied along the axis z; the light should also be directed along the axis z. The theoretical analysis of the electro-optical effect in the crystal was given by B. H. Billings (Ref 5). This showed that when an electric field is applied along the axis, the crystal becomes two-axial and produces an angle Ω between the optical axes. The angle Ω can be varied by the voltage. One of the very important problems when employing the crystal is the suitable construction of the electrodes. These must be transparent. It was possible to devise

 such electrodes by depositing thin layers of lead oxide

Electro-Optical Light Modulators of the Solar Magnetograph of the IZMIRAN

onto glass (Ref 6). The layers can be so thin that their reflection losses are smaller than those in glass. It was found that the optimum thickness of the layers is about 700 Å. The above modulator can also be used in the interference-polarization filters or as a very fast shutter in photography (for exposures up to 10^{-9} seconds).
There are 6 references, 5 of which are Soviet and 1 English.

ASSOCIATION: Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR (Institute of Earth Magnetism, Ionosphere and Radio-Wave Propagation of the Academy of Sciences, USSR)

SUBMITTED: March 18, 1959

Card 3/3

ZHULIN, I.A.

Magnetohydrodynamic theory of geomagnetic storms. Geomag.i aer. 1 no.2:133-149 Mr-Ap '61. (MIRA 14:7)

1. Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR.
(Magnetohydrodynamics) (Magnetic storms)

ZHULIN, I.A.

Origin of polar geomagnetic perturbations. Geomag. i aer. 1 no.3:443-444 My-Je '61. (MIRA 14:9)

1. Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR.

(Magnetic storms)

ZHULIN, I.A.

Magnetic fields and particle streams in the solar system; interpretation of phenomena in solar cosmic rays. A summary by I.A.Zhulin. Geomag. i aer.1 no.6:1024-1026 N-D '61. (MIRA 15:2)
(Cosmic rays)

3.9110

S/203/62/002/003/012/021
I023/I250

AUTHOR: Mishin, V.M. and Zhulin, I.A.

TITLE: Some problems of the geomagnetic activity. I.

PERIODICAL: Geomagnetizm i Aeronomiya, v.2, no.3, 1962, 502-509

TEXT: The laws governing the space-time distribution of the geomagnetic activity are investigated. Several existing interpretations of the irregular geomagnetic disturbances D_i are discussed. The theory of Nikol'skiy (application of Stormer's theory for the explanation of the geomagnetic activity) is proved to be unsound. A system of currents corresponds to the field of D_s (the diurnal variation of the geomagnetic disturbances.). It is suggested that the distribution of the current density in this system can be explained by the dynamo-theory. The dependence of a part of the geomagnetic activity on $\sqrt{\cos z}$, where z is the zenith angle of the Sun, is discussed. There are 5 figures, 18 references.

ASSOCIATION: Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln Akademii Nauk SSSR

Card 1/1

ZHULIN, I.A.; IOSHPA, B.A.; MOGILEVSKIY, E.I.

Magnetic fields on the sun. Geomag. i aer. 2 no.4:585-645 Jl-Ag '62.
(MIRA 15:10)

(Magnetic fields (Cosmic physics)) (Sun)

ZHULIN, I.A.; KOVALEVKSIY, I.V.

Ring current, geomagnetic disturbances, and radiation belts.
Geomag. i aer. 2 no.5:1018-1020 S-O '62. (MIRA 15:10)
(Magnetic storms) (Van Allen radiation belts)
(Auroras)

L 34823-65 EWT(1)/EWG(v)/EEC-4/EEC(t) Pc-5/Pq-4 GW

ACCESSION NR: AP5007146 S/0286/65/000/004/0070/0070

AUTHORS: Mogilevskiy, E. I.; Ioshpa, B. A.; Zhulin, I. A.

TITLE: Device for measuring weak [illegible] magnetic fields in the solar atmosphere.

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 4, 1965, [illegible]

TOPIC TAGS: solar magnetic field, solar atmosphere

ABSTRACT: This Author Certificate presents a device for measuring weak local magnetic fields in the solar atmosphere, containing a tower telescope, spectrograph, and magnetograph. To investigate simultaneously the [illegible] at two levels of the solar atmosphere, to measure the variable [illegible] of the polarized light, and to increase the accuracy of determining the [illegible] of the investigated region on the sun, a double-channel coupled magnetograph is used. Each channel contains one [illegible] and [illegible]

Card 1/2

L 11193-66 EWT(1)/FCC/EWA(h) GW

ACC NR: AP6002755 SOURCE CODE: UR/0203/65/005/006/1095/1098

AUTHOR: Zhulin, I. A.; Mogilevskiy, E. I.

ORG: Institute of Terrestrial Magnetism, Ionosphere and Radio Wave Propagation AN SSSR (Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln)

TITLE: The part played by the magnetic field of solar corpuscular streams and their effect on the earth's magnetosphere

SOURCE: Geomagnetizm i aeronomiya, v. 5, no. 6, 1965, 1095-1098

TOPIC TAGS: magnetosphere, solar corpuscular radiation, geomagnetism

ABSTRACT: The authors identify irregularities in the corpuscular solar stream with plasma clouds which have an inherent magnetic field (M-elements) and explain certain effects which these M-elements have on the earth's magnetosphere. A formula is given for the flux density of the magnetic field through a sphere located at a given distance ρ from the center of an M-element:

$$B_r = 2M\cos\theta/\rho^3,$$

where M is the effective magnetic moment of the M-element; θ is the polar angle.

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UDC: 629.192.3

L 11193-66

ACC NR: AP6002755

The variation in 2 cos θ/ρ^3 was calculated for a chain of dipoles corresponding to a sequence of M-elements emitted with a radial velocity of ~500 km/sec (Δt=3 days) for a difference in the heliographic latitude in the emission region at the sun and the earth $\Delta\phi$=5° (the tangential velocity of the emission is disregarded). The results are shown graphically. The concepts developed in the paper may be used as a basis for a qualitative explanation of geomagnetic storms. The process of energy transmission from the corpuscular stream is associated with complex effects which arise in the region of interaction between the earth's magnetosphere and the field and plasma of the supersonic corpuscular stream. In this case, energy transfer may take place not only through the magnetic field of the M-elements but also by direct action of the plasma on the corpuscular stream. The qualitative considerations in this paper show that the magnetic moment of the M-element is important as an effective parameter. The actual physical meaning of this parameter requires further study both of processes in interplanetary space and of the nature of the interaction between the corpuscular stream and the earth's magnetosphere where the magnetic field of the stream may play an important part.

SUB CODE: 08/ SUBM DATE: 27Mar65/ ORIG REF: 010/ OTH REF: 001

Card 2/2

ACC NR: AR6028758 SOURCE CODE: UR/0269/66/000/006/0055/0055

AUTHOR: Mogilevskiy, E. I.; Zhulin, I. A.; Ioshpa, B. A.

TITLE: The IZMIRAN solar tower installation

SOURCE: Ref. zh. Astronomiya, Abs. 6.51.434

REF SOURCE: Sb. Solnechn. aktivnost'. No. 2. M., Nauka, 1965, 108-117

TOPIC TAGS: solar telescope, solar spectrum, spectrographic analysis

TRANSLATION: The ATB-3 IZMIRAN solar tower is described. The mirrors of the coelostat group (D = 440 mm) are mounted on the upper end of a special tube which houses the entire optical assembly. The clock mechanism is controlled by a 3G-11 sound generator through a power amplifier. The main mirror of the telescope has the following parameters: D = 375 mm, F = 17 m; the Cassegrainian reflection is F = 27 m. The telescope is equipped with a complex horizontal spectral assembly which operates as a spectrograph, a spectrometer, a spectroheliograph, and a spectrohelioscope. The spectrograph uses mirrors with F = 10 m; the GOI diffraction grating has 600 lines/mm. The halfwidth of the instrumental profile in the IVth-order is 0.026 A (this is larger than the theoretical value by a factor of 1.4). The installation is equipped with a monochromatic guide. For visual and photographic observations in the Hα line (an IPF by

UDC: 522.56

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ACC NR: AR6028758

Bernhard Halle, West Berlin is used), an image of the sun area is utilized which is reflected from the mirror sides of the entrance slit. 5 references. G. Kuklin.

SUB CODE: 03,17

Card 2/2

ACC NR: AR6028759 SOURCE CODE: UR/0269/66/000/006/0055/0055

AUTHOR: Zhulin, I. A.; Mogilevskiy, E. I.

TITLE: Two-channel solar magnetograph

SOURCE: Ref. zh. Astronomiya, Abs. 6.51.435

REF SOURCE: Sb. Solnechn. aktivnost', No. 2. M., Nauka, 1965, 149-156

TOPIC TAGS: solar magnetic field, solar astronomy, magnetogasdynamics, solar chromosphere, solar photosphere

TRANSLATION: The IZMIRAN two-channel solar magnetograph is described. The device is fed by one spectrograph and is used for the simultaneous observation of the magnetic fields in the photosphere and the chromosphere (e. g., in Fe lines λ 5250 and Hβ). The use of *ADP* ($NH_4H_2PO_4$) as an electrooptical modulator is described. The assembly and the alignment of the electrooptical modulator is described. A diagram of the power supply in the *ADP* and the phase detectors connected to the modulator is given. 16 references. G. K.

SUB CODE: 03

UDC: 522.56

Card 1/1

ACC NR: AP7004572 SOURCE CODE: UR/0203/66/006/002/0375/0376

AUTHOR: Zhulin, I. A.

ORG: Institute of Terrestrial Magnetism, Ionosphere and Radio Wave Propagation, AN SSSR (Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR)

TITLE: Intermediate role of magnetic fields of solar corpuscular streams in determining the degree of their geoeffectiveness

SOURCE: Geomagnetizm i aeronomiya, v. 6, no. 2, 1966, 375-376

TOPIC TAGS: magnetic field, magnetohydrodynamics, geomagnetic disturbance

ABSTRACT: In an earlier study (Geomagnetizm i Aeronomiya, 6, 1966, No. 2, 197) the author discussed the influence of magnetic fields of solar corpuscular streams on the character of the interaction of the streams with the earth's magnetosphere.[12] Particular attention was devoted to the problem of the impossibility of penetration of the magnetic field within the magnetosphere and the associated need for a magnetohydrodynamic treatment of the theory of geomagnetic disturbances. As one of the possible mechanisms determining the degree of geoeffectiveness of the corpuscular streams he discusses the intermediate role of the magnetic field of the stream in interaction of the oncoming plasma with the earth's magnetosphere. The communication cited below gives some additional considerations supporting the conclusions drawn in that paper. The author thanks E. I. Mogilevskiy for discussions of the results of this work. Orig. art. has: 1 figure. [JPRS: 38,937]

SUB CODE: 08,20 / SUBM DATE: 31Jul65 / ORIG REF: 001 / OTH REF: 007

Card 1/1 UDC: 523.877

0926 1413

ACC NR: AR6035295 SOURCE CODE: UR/0269/66/000/009/0052/0052

AUTHOR: Zhulin, I. A.

TITLE: First results of simultaneous measurements of magnetic fields at two levels in the solar atmosphere

SOURCE: Ref. zh. Astronomiya, Abs. 9.51.440

REF SOURCE: Solnechnyye dannyye, no. 11, 1965(1966), 48-53

TOPIC TAGS: solar atmosphere, magnetic field, solar photosphere, solar chromosphere, solar telescope, solar magnetic field

ABSTRACT: The first results are presented of simultaneous measurements of the magnetic fields at two levels in the solar atmosphere (in the photosphere and chromosphere), obtained at IZMIRAN [Institute of Terrestrial Magnetism and Radio-Wave Propagation of the Academy of Sciences USSR]. A two-channel solar magnetograph was used. The light enters each channel from a single spectrograph of the solar telescope. In one of the channels, the λ 5250.2 photosphere line is used, while in the other channel the Hβ is used. Charts of the longitudinal com-

Card 1/2 UDC: 523.745

ACC NR: AR6035295

ponents of the magnetic fields are presented, which were obtained on 9 and 11 July 1965. The sensitivity of the recording field was 1 gs for the photosphere and approximately 10 gs for the chromosphere in a spatial resolution of 3"x3". The field distribution in the photosphere and chromosphere proved to be qualitatively similar, although some differences were observed. B. Ioshpa. [Translation of abstract]

[NT]

SUB CODE: 03/

Card 2/2

ACC NR: AP7013720

SOURCE CODE: UR/0203/65/005/006/1092/1094

AUTHOR: Zhulin, I. A.; Mogilevskiy, E. I.

ORG: Institute of Terrestrial Magnetism, the Ionosphere and Radio Wave Propagation, AN SSSR (Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR)

TITLE: Variability of the fluxes of magnetic fields of spots and faculae

SOURCE: Geomagnetizm i aeronomiya, v. 5, no. 6, 1965, 1092-1094

TOPIC TAGS: solar magnetic field, solar facula, magnetic field measurement, sunspot, magnetic field flux

SUB CODE: 03,20

ABSTRACT: In this paper an attempt is made to determine qualitatively the nondependence of the variability of magnetic fields of spots and adjacent faculae on the basis of some data on local magnetic fields on the sun obtained at Mount Wilson Observatory during the IGY period. The basic data consisted of magnetograms of the longitudinal component of magnetic fields on the sun obtained once a day. The measurements

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UDC: 523.745

0933 2193

were based on the photospheric line of iron λ 5250.2. Magnetograms for 8-10 successive days for January, May, August and October 1958 were used. In order to determine the magnetic flux of local regions of the magnetic field and judging the character of the structure and variability of fields it was necessary to interpret the magnetograms, which is extremely complex, and construct maps of isogausses — lines of equal values of magnetic field strength. Fig. 1 in the text is an example of such isogauss maps. The complexity of the pattern of distribution of the local magnetic fields in the northern and southern zones of activity makes it difficult to make such an analysis, but on the other hand the problem was facilitated by the availability of very complete data on calcium flocculae. The boundaries of the flocculae virtually coincide with regions where the magnetic field exceeds 5 gauss. It was found that the pattern of changes of the flux in a spot and in an active region is different. This can serve as evidence of the absence of a direct relationship between changes of the magnetic flux of spots and variations of the magnetic flux of the surrounding active region. Orig. art. has: 2 figures and 1 formula.

[JPRS: 34,593]

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R002065010017-9"

ACC NR: AP7007695

SOURCE CODE: UR/0030/67/000/001/0105/0107

AUTHOR: Zhulin, I. A. (Candidate of Physico-mathematical Sciences)

ORG: none

TITLE: Conference on Solar and Terrestrial Physics held in Belgrade, Yugoslavia

SOURCE: AN SSSR. Vestnik, no. 1, 1967, 105-107

TOPIC TAGS: scientific conference, solar corpuscular radiation, space magnetic field, charged particle, magnetosphere, ionosphere, comet, cosmic ray intensity, unmanned space flight / Zond-3 space flight, Venera-2 space flight

ABSTRACT: A Conference on Solar and Terrestrial Physics held in Belgrade, Yugoslavia, 26 August to 2 September 1966, was attended by more than 400 scientists from different countries. About 200 lectures were presented on solar corpuscular streams, interplanetary magnetic fields, the interaction of solar plasma with the geomagnetic field, charged particles in the magnetosphere and the temperature of neutral and charged particles in the ionosphere and magnetosphere. Over 40 lectures were presented by Soviet

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scientists; they dealt with both theoretical investigations and experiments conducted by artificial satellites and rockets. Three review lectures were presented by V. I. Krasovskiy, K. I. Grangauz, and V. A. Troitskaya. A great deal of interest was aroused by B. P. Konstantinov who described his hypothesis on the possibility of the antimatter nature of comets. S. N. Vernov presented data on variation of cosmic rays, including 1--5 Mev protons measured by "Zond 3" and "Venera 2." V. V. Vitkevich discussed the latest data on radioastronomical irregularities and their motion in interplanetary plasma.

SUB CODE: 03, 04, 22 / SUBM DATE: none

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R002065010017-9"

AFANAS'YEVA, V.I.; ZHULIN, I.A.; KALININ, Yu.D.; MOGILEVSKIY, E.I.

Energy of geomagnetic disturbances. Geomag. i aer. 4 no.6:1127-1130 N-D '64. (MIRA 18:1)

1. Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR.

ZHULIN, I. V.

42290: ZHULIN, I. V. - Torfyanoye mashinostroyeniye. Torf. prom-st, 1948, No.11, S. 6-9.

SO: Letopis' Zhurnal'nykh Statey, Vol. 47, 1948.

ACC NR: AP7007595 SOURCE CODE: UR/0104/66/000/008/0095/0096

AUTHOR: Chuprakov, N. M.; Borovoy, A. A.; Postnikov, N. A.; Malychev, A. A.; Magidson, E. M.; Sin'chugov, P. I.; Zeylidzon, Ye. D.; Barchaninov, G. S.; Yermolenko, V. M.; Vasil'yev, A. A.; Sokolov, N. I.; Ul'yanov, A. S.; Fedoseyev, A. M.; Sarkisov, M. A.; Rokotyan, S. S.; Azar'yev, D. I.; Arson, G. S.; Dubinskiy, L. A.; Zhulin, I. V.; Kolpakova, A. I.; Antoshin, N. N. Krikunchik, A. B.; Kuchkin, M. D.; Preobrazhenskiy, N. Ye.; Rout, M. A.; Kheyfits, M. E.; Sharov, A. N.; Yakub, Yu. A.; Gorbunov, N. I.; Shumukhin, V. A.; Beschinskiy, A. A.

ORG: none

TITLE: Boris Sergeyevich Uspenskiy (on his 60th birthday)

SOURCE: Elektricheskiye stantsii, no. 8, 1966, 95-96

TOPIC TAGS: hydroelectric power plant, electric engineering personnel

SUB CODE: 10

ABSTRACT: B. S. Uspenskiy was born in June 1906. He graduated from the State Electric Machine Building Institute in 1928 as an electric installation engineer. He worked in the State Electro-Technical Trust for four years, then in the All-Union ElectroTechnical Union, where he planned power construction units. Plans which he made up at that time for the electrical portion of electrical stations and sub-stations are still being used. He was invovled in planning and installation of the electrical portion of hydro-electric power stations and powerful pumping stations in the Moscow-Volga Canal. During the war, he was in charge in installation of the Krasnogroskaya Heat and Electric Power Station, the planning of the Urals Hydro-Electric Power Station and other projects. He

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